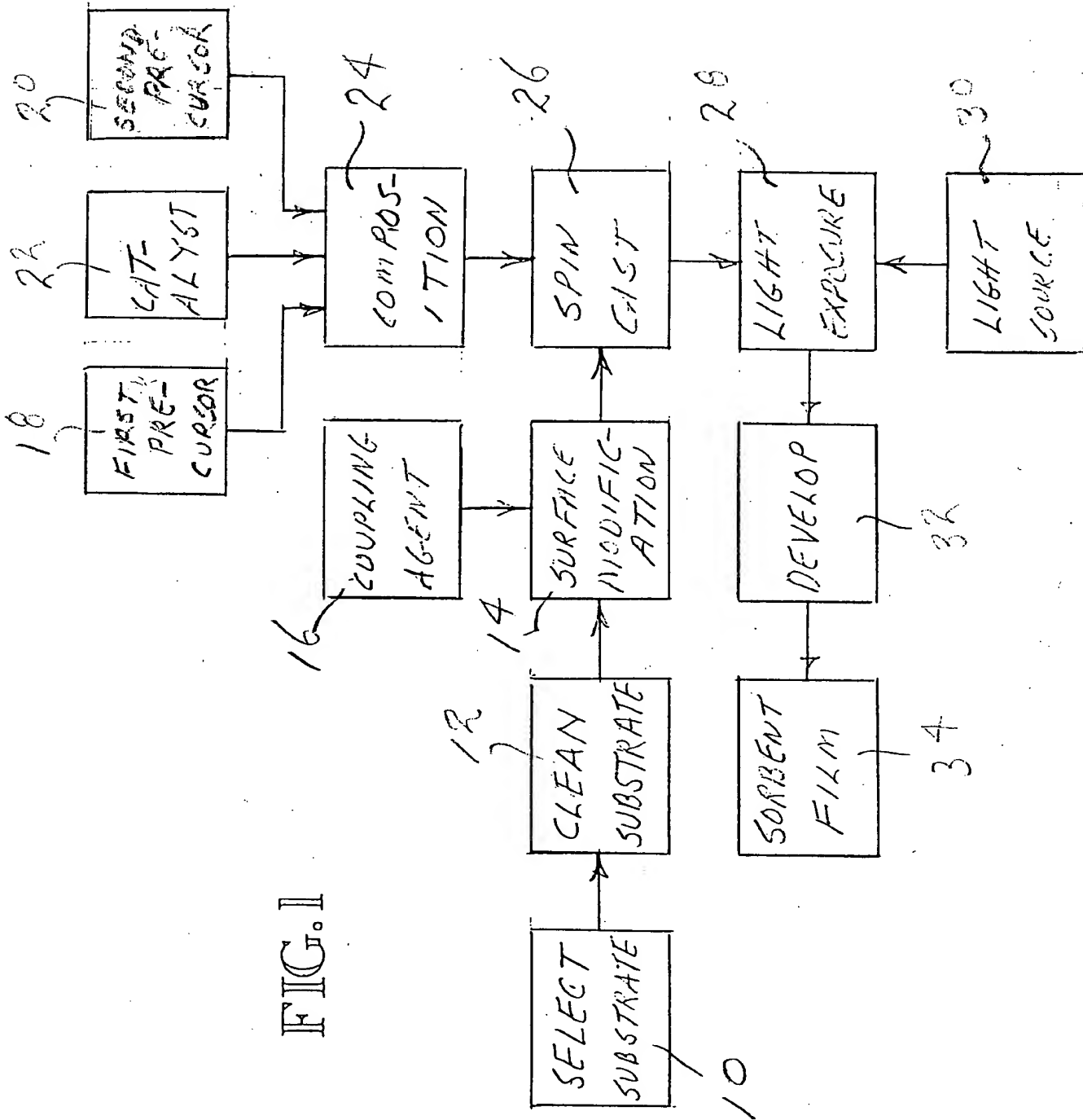


FIG. 1



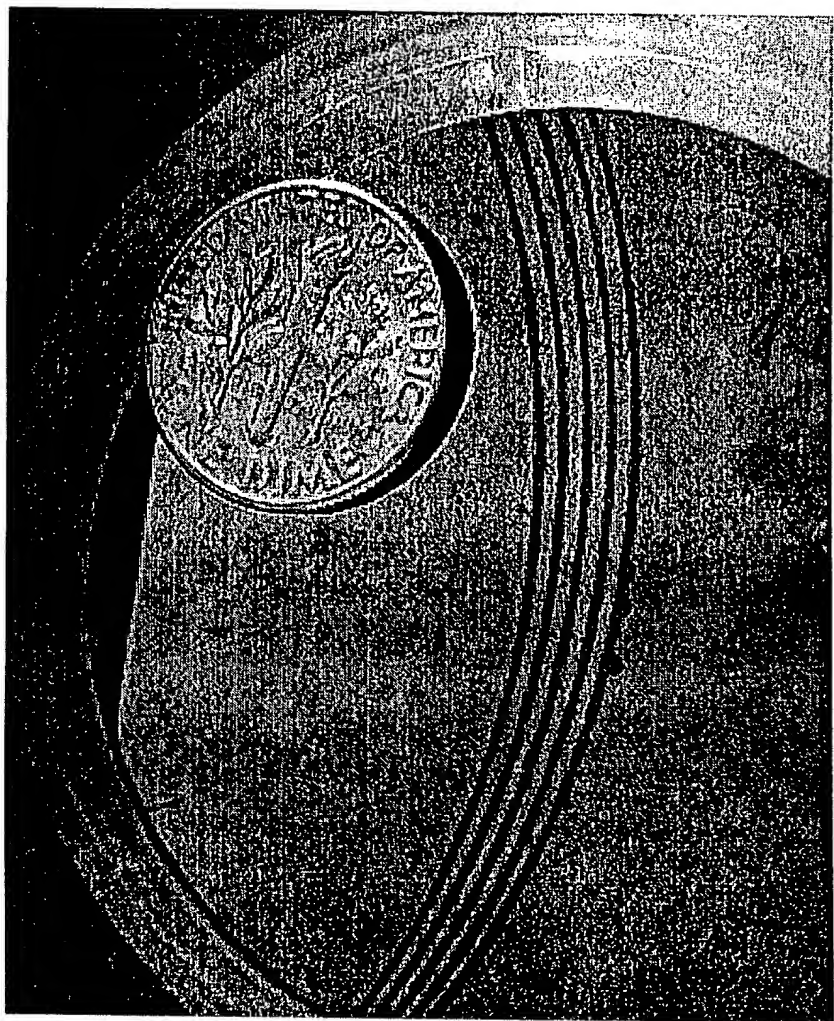


FIG. 2

09703755 440400

09/03/55 110100

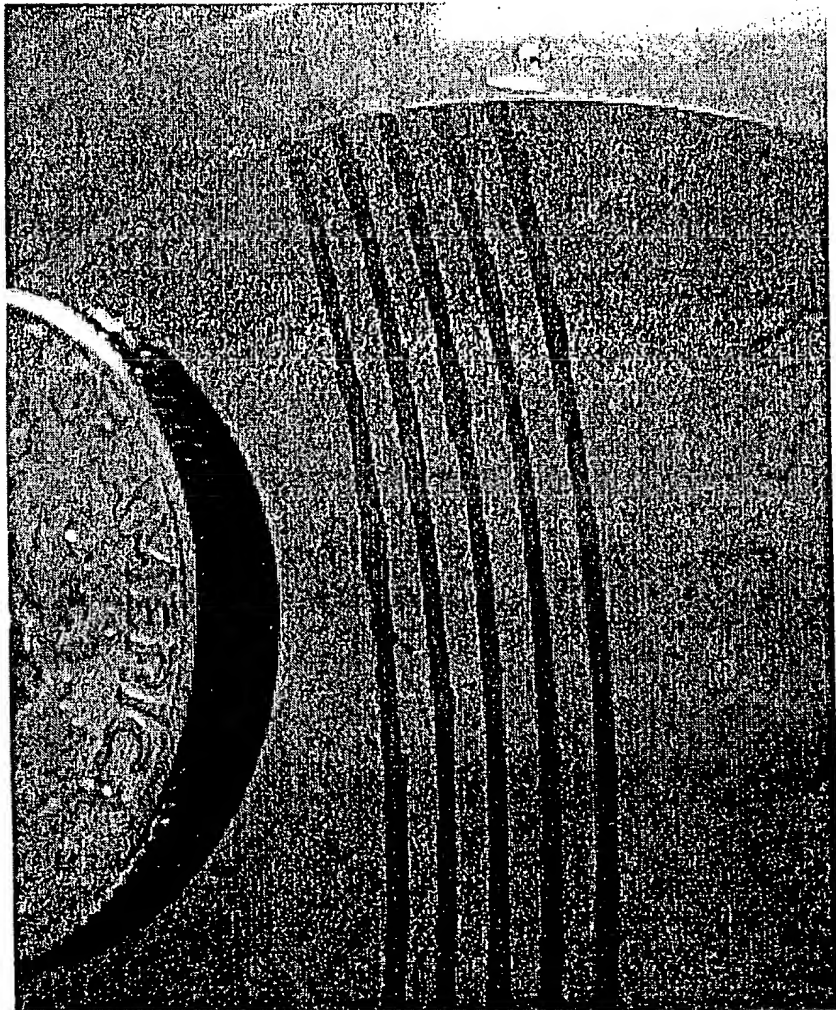


FIG. 3

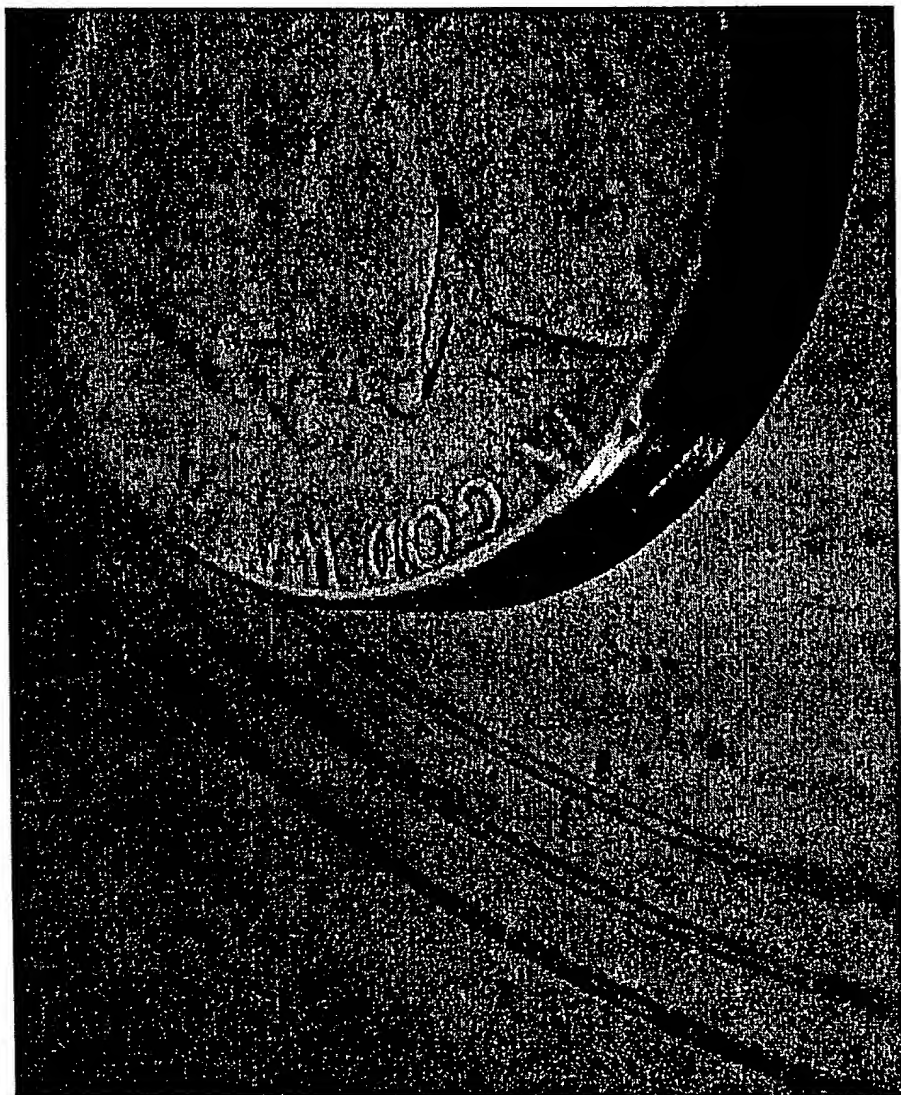
[illegible]

FIG. 4

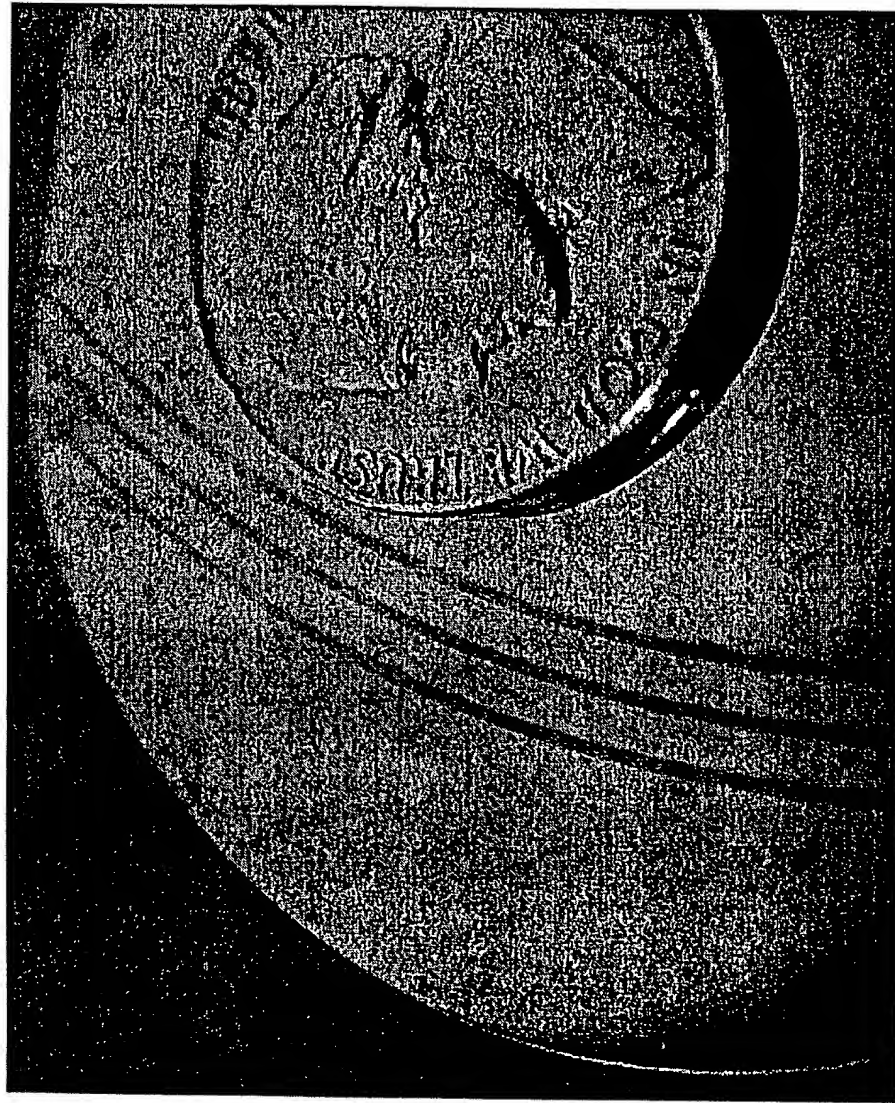


FIG. 5

05703755 140400

097037mm 409400

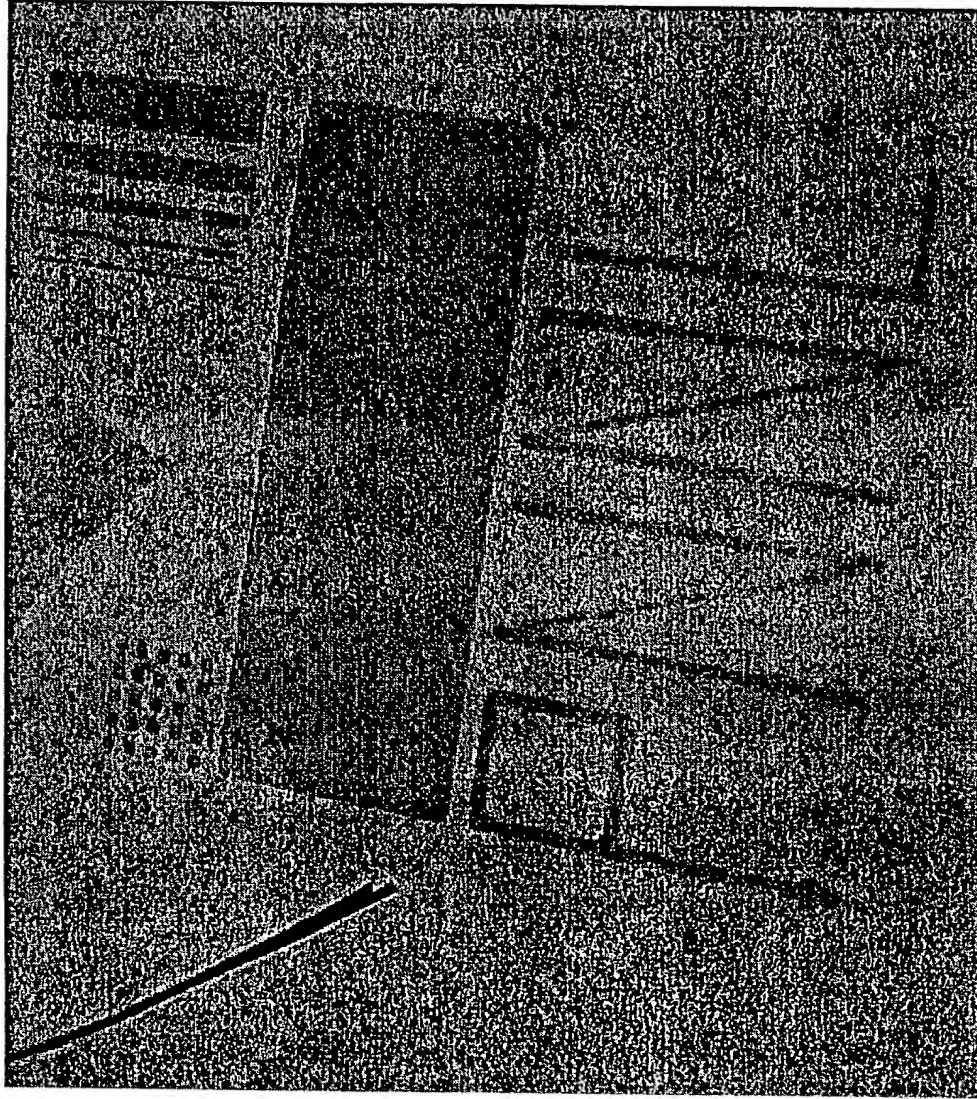


FIG. 6

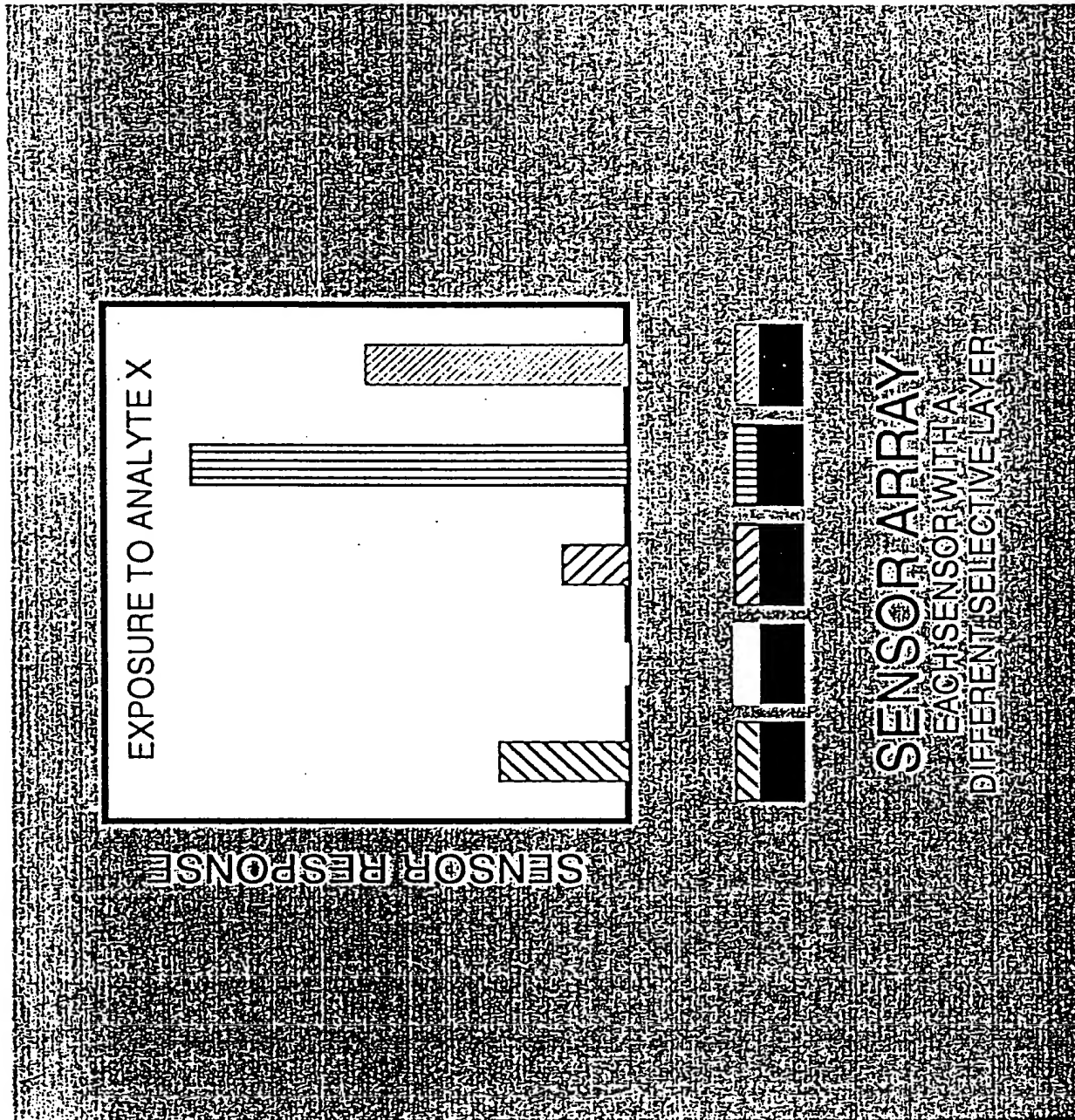


FIG. 7

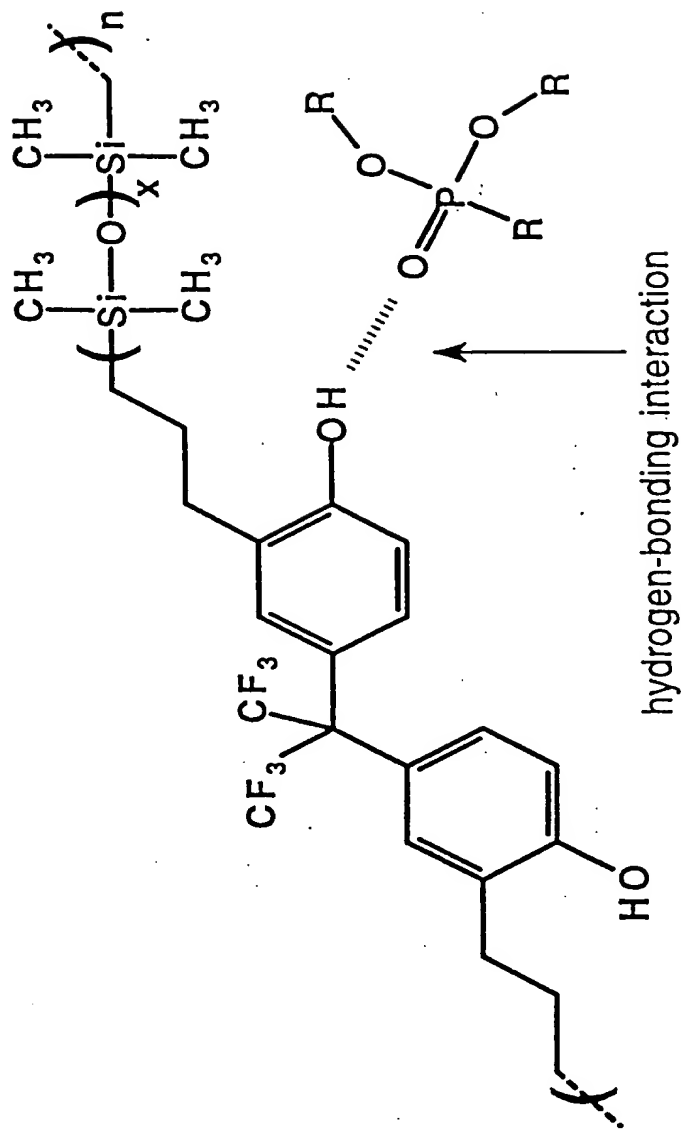
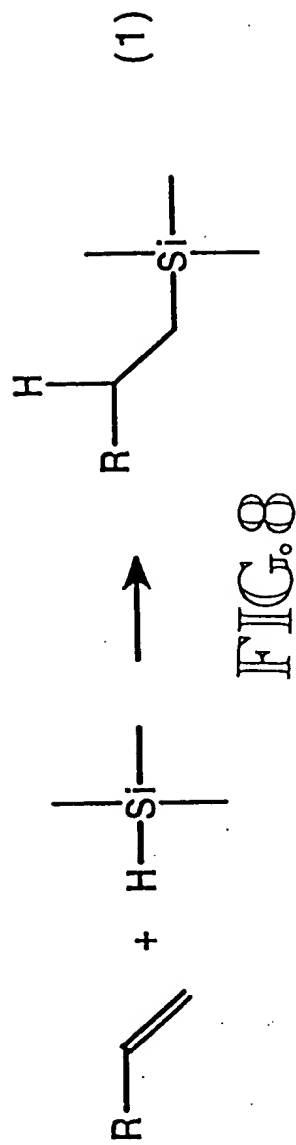


FIG. 12

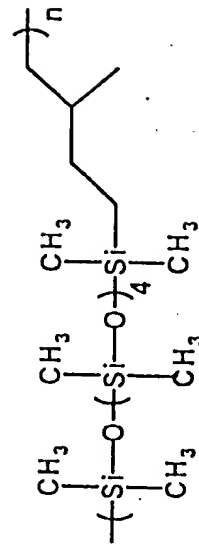
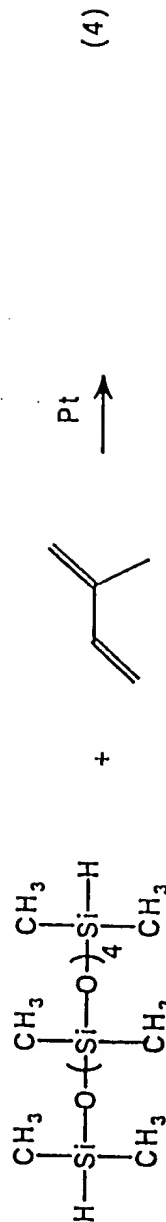
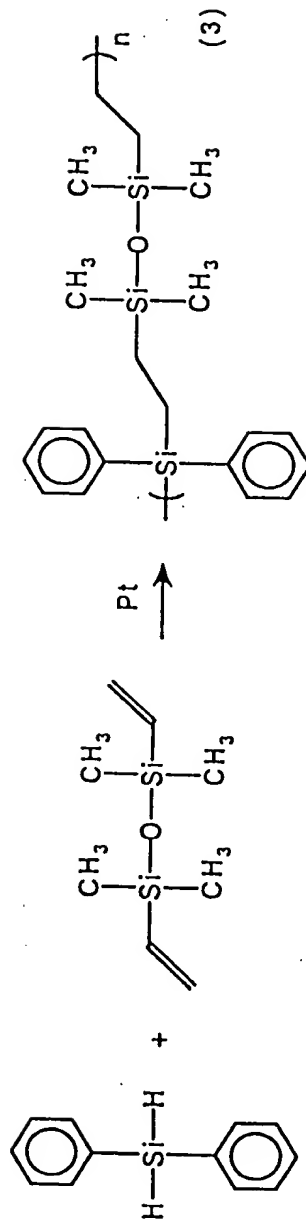
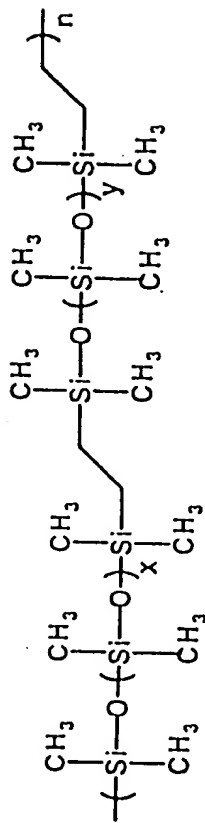
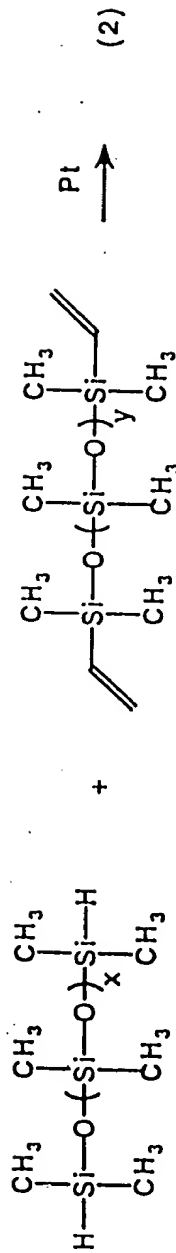
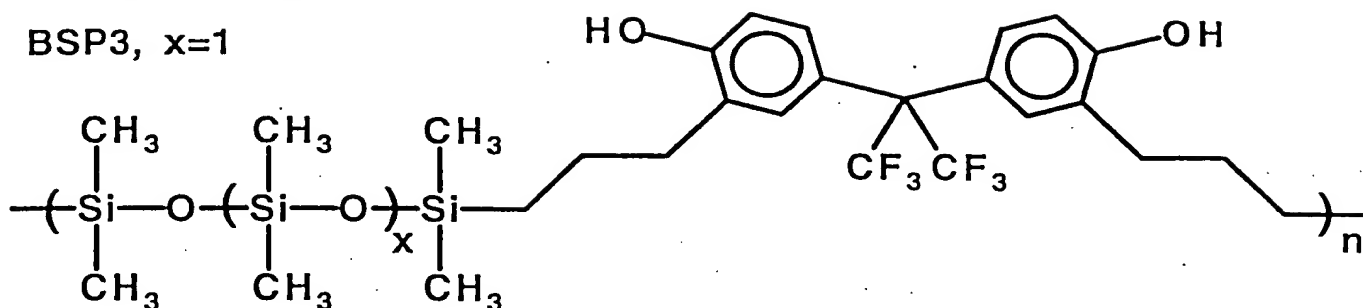


FIG. 9

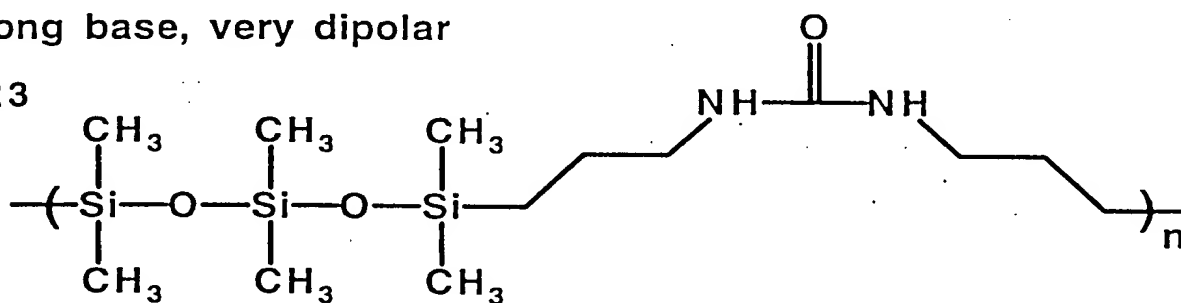
Strong hydrogen bond acid

BSP3, $x=1$



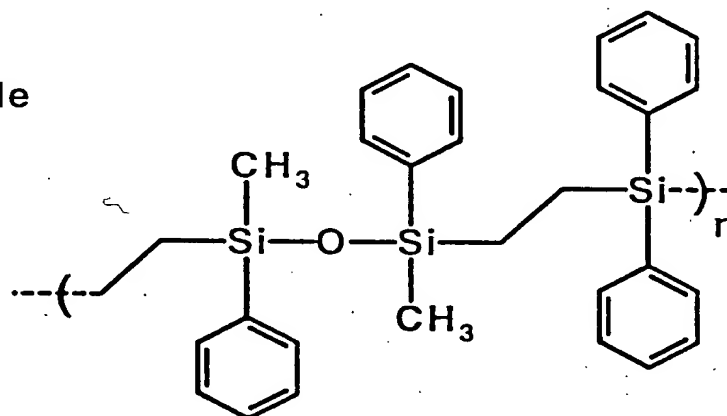
Strong base, very dipolar

UR3



Polarizable

CSPH



Nonpolar

CSME

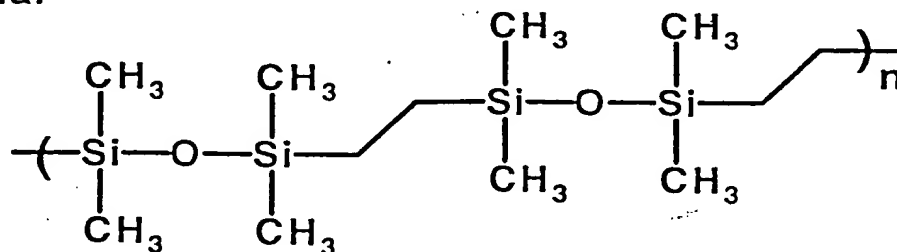
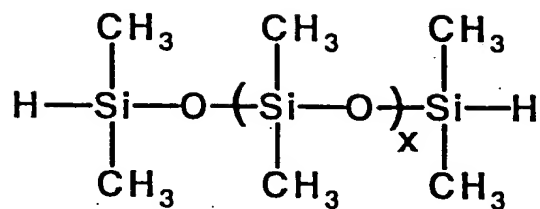
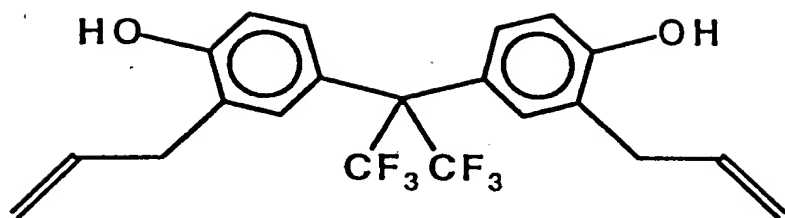


FIG. 10

0375 0000



$x = 0, 1, 4, \sim 80$ etc

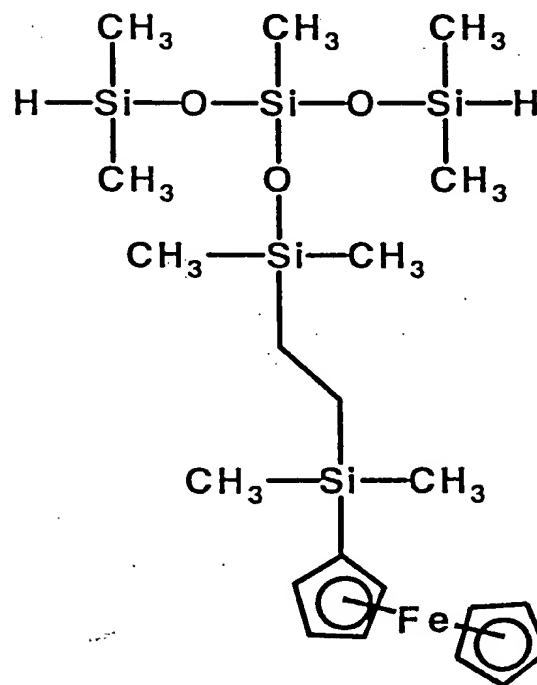
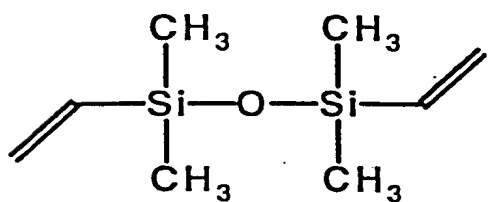
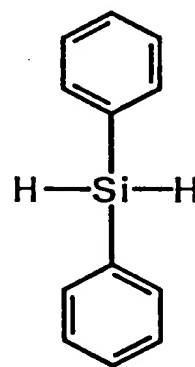
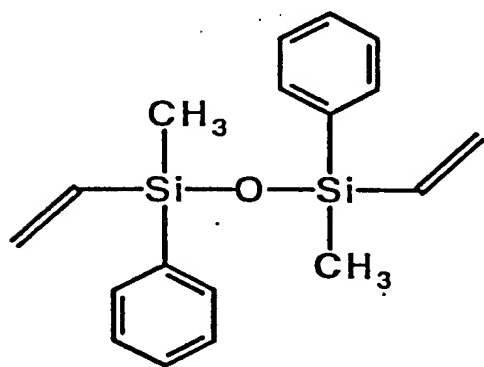
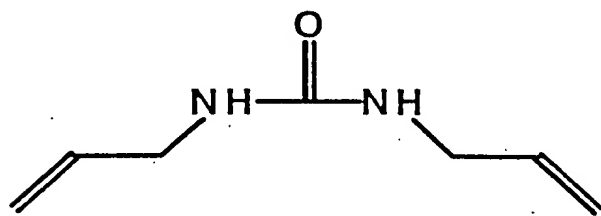


FIG. 11

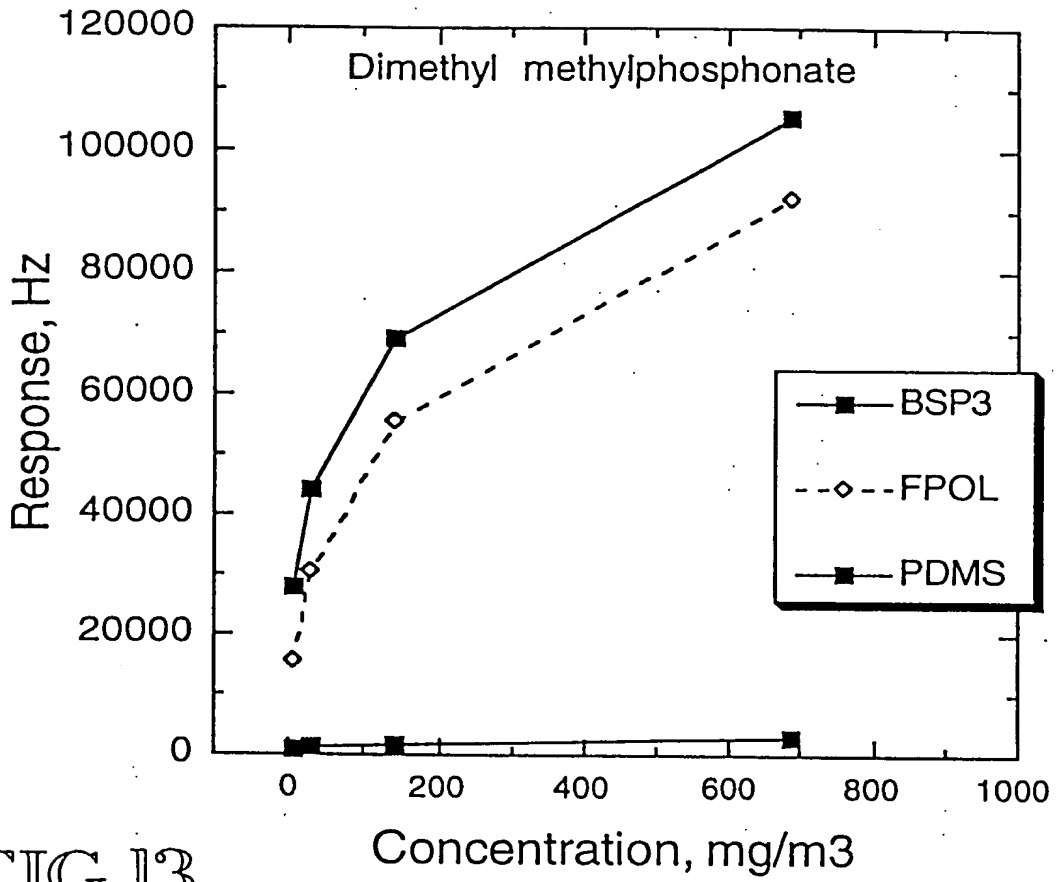


FIG.13

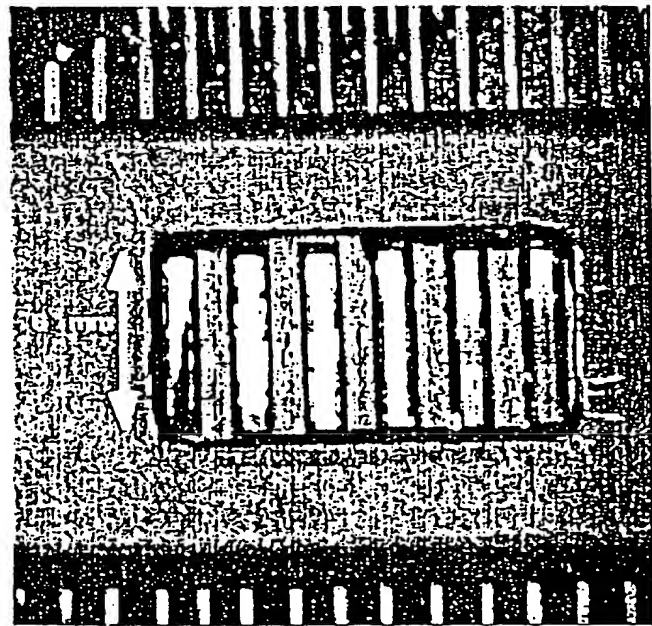
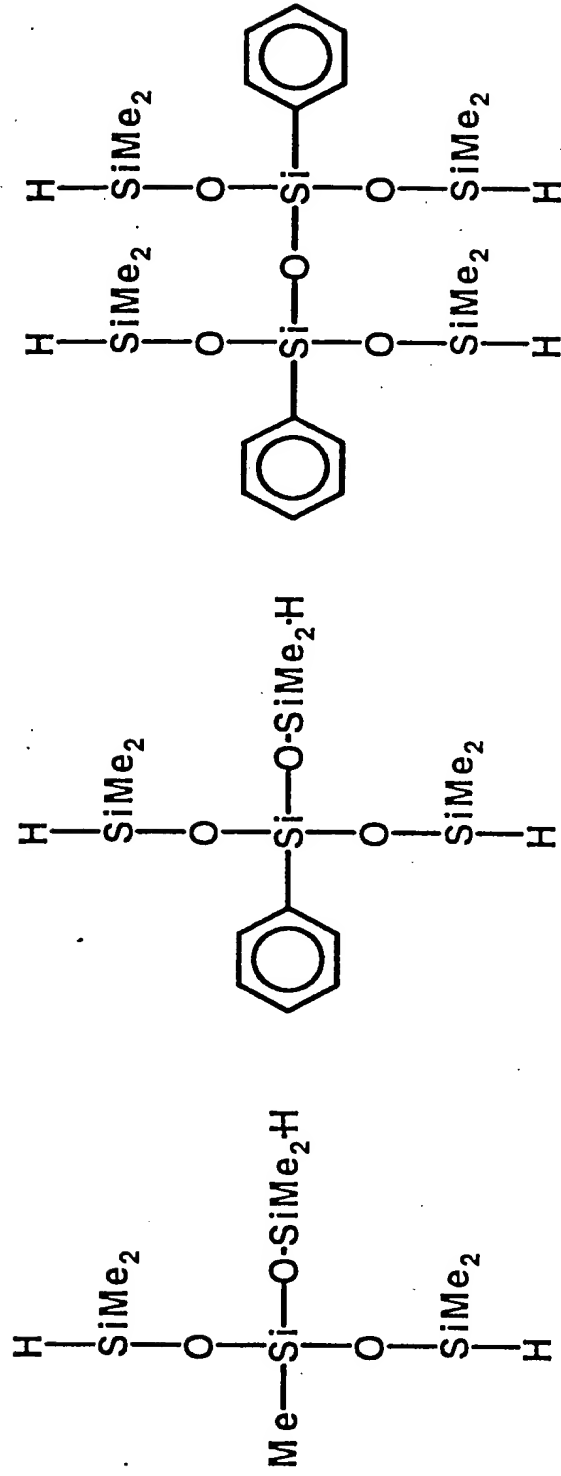
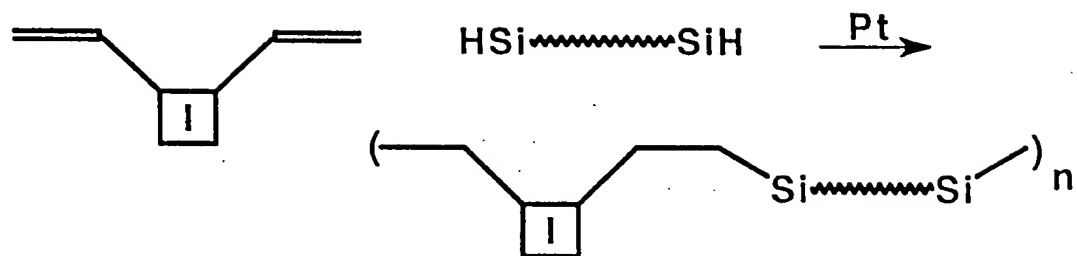


FIG.17

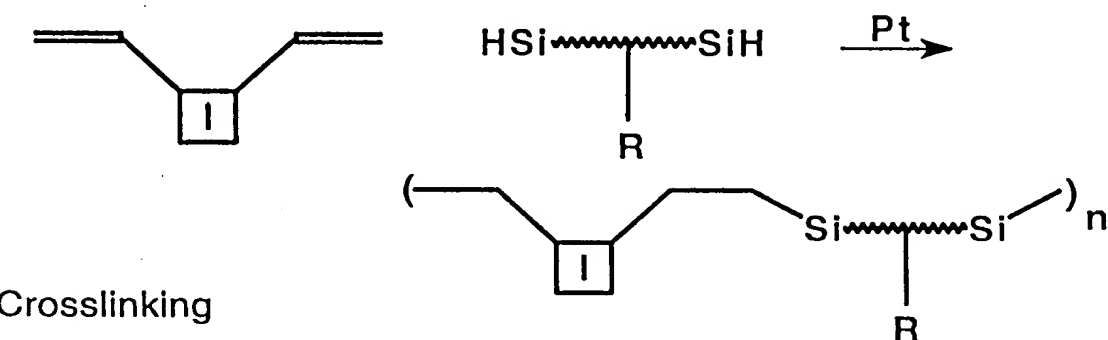
FPW Array-on-a-Chip



Synthesis



Crosslinking



Grafting

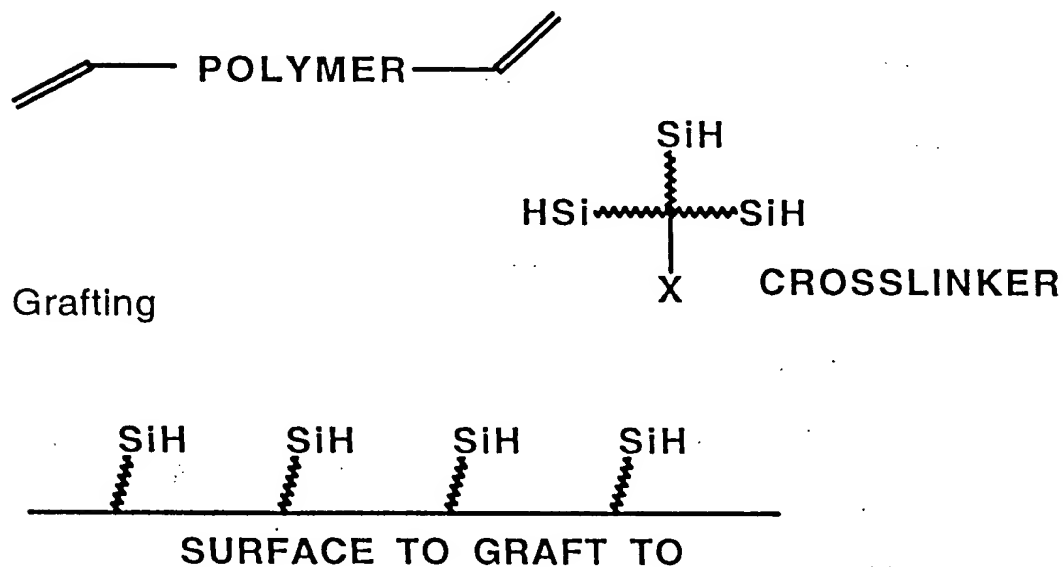


FIG. 16

FIG. 18

